



Grenada data center energy storage

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Grenada's Public Utilities Regulatory Commission is seeking expressions of interest for 15.1 MW of solar at Maurice Bishop International Airport. The project may also include a 10.6 MW/21.2 MWh battery energy storage system (BESS). The deadline for submissions is Sept. 20.

Grenada's Public Utilities Regulatory Commission is requesting expressions of interest from independent power producers for a 15.1 MW solar project at Maurice Bishop International Airport.

The project will be either a 15.1 MW solar plant or a 15.1 MW solar array with a 10.6 MW/21.2 MWh BESS. If built, the solar array will be spread across three sites at the airport and integrated into both the national grid and a microgrid at the airport to provide localized electricity during outages.

The developer will handle project development and implementation, then operate and maintain the installation for 25 years. They will also sign an interconnection and power purchase agreement with Grenlec, according to the project details.

Grenada's energy sector remains primarily based on fossil fuels, with the country's renewable energy penetration standing at around 6%. It has set a target of achieving 100% renewable energy in the electricity and transport sectors by 2030.

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The Public Utilities Regulatory Commission (PURC) of Grenada is inviting expressions of interest (EOIs) for a renewable energy project at the island nation's main international airport. The project aims to increase Grenada's reliance on renewable energy and reduce its dependence on fossil fuels.

PURC is seeking an independent power producer (IPP) to develop and operate either a 15.1MW standalone solar PV plant or a solar-plus-storage plant combining 15.1MW of solar PV and a 10.6MW/21.2MWh battery energy storage system (BESS). The project will be located at Maurice Bishop International Airport (MBIA) and will integrate into the existing grid operated by Grenada Electricity Services Limited (Grenlec).



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The project offers the opportunity for investors to contribute to Grenada's sustainable energy goals and benefit from the potential for long-term revenue through a power purchase agreement (PPA) with Grenlec. The selected IPP will be responsible for the construction, operation, and maintenance of the plant for a period of 25 years.

The solar PV plant will be distributed across three sites near MBIA, and the BESS will be located at a new substation to be constructed by Grenlec. Both options will include the provision of a power management system to ensure seamless integration and control of the solar, diesel generator, and battery storage components.

PURC emphasized that the EOI is not a request for proposals (RFP) but rather an opportunity for interested parties to express their interest and request further information. The information gathered through the EOI process will be used to formulate an RFP for the project.

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